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GreenVenus' Gene-Edited Grapes offer premium quality, sustainable Winemaking

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GreenVenus, LLC, an agricultural biotech company focused on developing solutions for agriculture with new breeding innovations, announces advances aimed at revolutionizing the production of high-quality wines without using sulfites.

Oxidation, or browning, during grape juice processing can affect the color, phenolic content, and overall quality of wines. Sulfur dioxide (SO2) is commonly used to prevent undesired oxidation, but it is linked to adverse health effects for individuals who are sensitive or allergic to sulfites. As a result, there is a growing demand for sustainable alternatives to address oxidation without compromising wine quality and safety.

GreenVenus announces new wine grape cultivars that possess natural preservation properties, diminishing or negating the need for sulfites as preservatives during winemaking. These novel varieties exhibit intrinsic antioxidant capabilities that will safeguard wine from oxidation and protect its authentic color and flavors.

Dr. Shiv Tiwari, CEO of GreenVenus. "Our technologies hold tremendous promise to enhance the resistance of wine grapes to destructive diseases, reduce the reliance on chemical interventions and promote environmentally friendly vinification practices. We are making significant progress in developing new grape varieties that require fewer chemical inputs while ensuring the production of premium-quality wines".

The achievement resulted from a collaboration between GreenVenus and the Ralph M. Parsons Foundation Plant Transformation Facility in the College of Agriculture and Environmental Sciences at UC Davis, who developed a breakthrough platform that allows for the regeneration of gene-edited plants from single cells of multiple grape varieties. The new varieties will be made available to growers and winemakers through licensing agreements.